

232230

**WESTON.**  
MANAGERS DESIGNERS/CONSULTANTS

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# **Trip Report**

## **50th and Hayes Site**

## **Washington, District of Columbia**

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**10 December 1999**

**Prepared for**  
**U.S. Environmental Protection Agency Region III**  
**Removal Response Section**  
**Philadelphia, PA**

**SATA**  
Site Assessment  
Technical Assistance

TDD No. 9909-0012  
Contract No. 68-S5-3002

AR100043

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# TRIP REPORT

50<sup>th</sup> and Hayes Site  
Washington, District of Columbia

TDD No. 9909-0012  
Contract No. 68-S5-3002

## 1.0 INTRODUCTION

On 13 October 1999, the Roy F. Weston, Inc. (WESTON®), Site Assessment Technical Assistance (SATA) team was directed by U.S. Environmental Protection Agency (EPA) On-Scene Coordinator (OSC), Colby Stanton to conduct an additional site assessment/sampling event at the 50<sup>th</sup> and Hayes Site located in Washington, District of Columbia (DC). An initial site assessment/sampling event was performed on 10 September 1999. Analytical results from the first event showed several locations at the site which contained elevated levels of lead. The sampling event, which occurred on 21 October 1999, was performed to determine whether lead contamination extended outside the erected fence by EPA's initial removal action at the site and to perform hazardous categorization tests on the soils for ignitability.

## 2.0 BACKGROUND.

### 2.1 Location

The 50<sup>th</sup> and Hayes Site is located at 50<sup>th</sup> and Hayes Streets in Washington, DC as illustrated on Figure 1, Site Location Map (Automap Streets Plus, 1997).

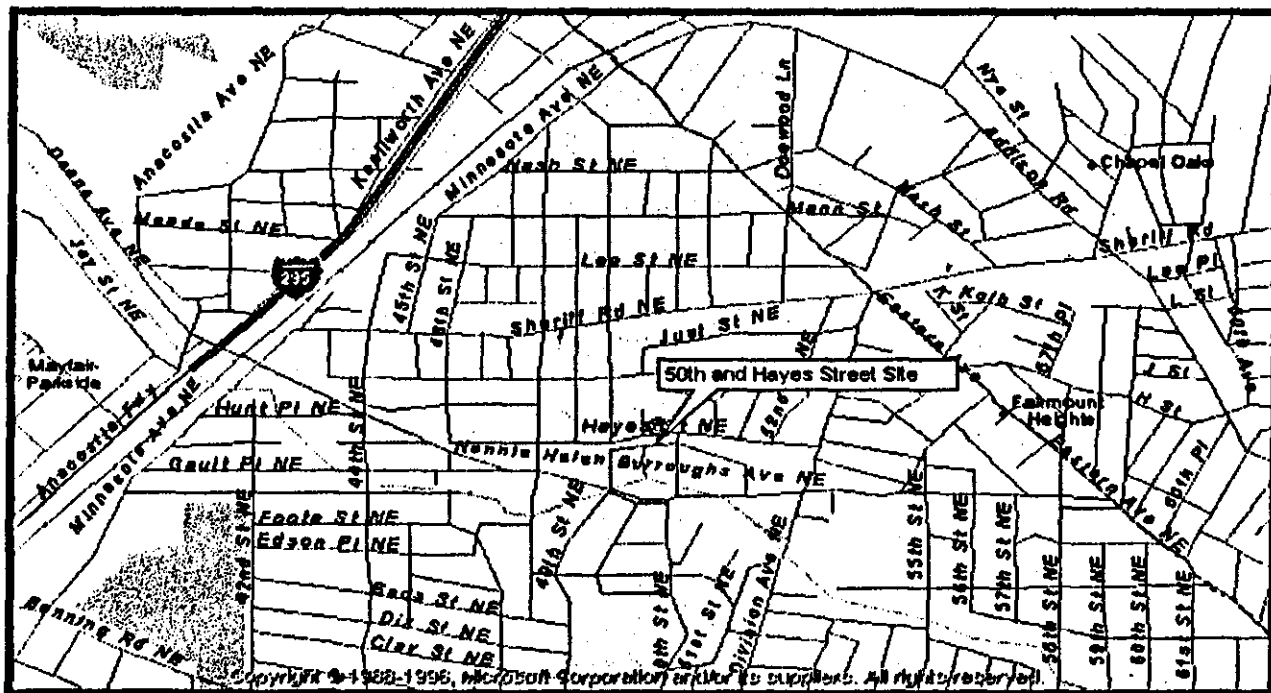


Figure 1  
Site Location Map

## 2.2 Site Description

The site is an abandoned automobile chop shop in a predominantly residential area of Washington, DC. A grade school and a public church are located in close proximity to the site.

## 2.3 Site History

The 50<sup>th</sup> and Hayes Site has been investigated by the Washington, DC Environmental Crimes Unit (DCECU). DCECU requested the assistance of the EPA in assessing the environmental threat posed by the site and securing the site from public access (EPA, 1998).

Materials left on the site included drums filled with trash and oil/petroleum soaked debris, tires, miscellaneous car parts, and oil/petroleum products.

## 3.0 SITE ACTIVITIES

On 21 October 1999, a sampling event was conducted at the 50<sup>th</sup> and Hayes Site. OSC Colby Stanton, Civil Investigator (CI) Larry Richardson and OSC Mike Welsh and SATA members Melissa Conklin and Melanie Pyle met at the site at 1200 hours. A site walk-through was conducted, sample locations were marked with survey flags, and SATA members prepared for sampling activities.

### 3.1 Site Conditions and Observations

There was obvious visible contamination on the site, yet there were no signs of stressed vegetation. The majority of the site soils were saturated with oil/petroleum products. There were two drums on the site, one was filled with trash and the second was on its side and seemed to contain oil/petroleum soaked debris. The site was covered with loose gravel and asphalt and a large pile of gravel and tires were located along Hayes Street. A security/privacy fence had been installed in mid-September to dissuade trespassers.

The site is situated along the walking route of many elementary/middle school students living in the area, and children were observed within close proximity of the site. The rear of the site abuts a church.

The meteorological conditions during the sampling event were light winds with clear, sunny skies and temperatures in the middle to upper 60s. There were obvious signs of current rainfall in the area and puddles of standing water were scattered throughout the site during the event.

### 3.2 Sampling Activities

A total of nine surface soil samples were collected during the 21 October 1999 sampling event from within the fenced area and just outside of the fence line on the site. Samples SS-06, SS-07 and SS-11 were collected inside the fenced area

near the Little Mount Zion Church. Samples SS-08, SS-09 and SS-10 were collected along the outside of the fence line near the unnamed alley. Samples SS-12, SS-13, and SS-14 were collected outside the fence line along Hayes Street. The 10 sample locations are illustrated in Figure 2, Site Sketch. The samples collected were analyzed for lead. In addition to collecting samples for laboratory analyses, five soil samples were collected and field hazardous categorization (hazcat) tests were performed on the samples for ignitability and flammability. Samples for hazcat tests were collected from SS-01 through SS-05 (locations from the first sampling event on 10 September 1999).

All samples were handled and packaged in accordance with the sampling plan and were shipped via Federal Express to Compuchem Environmental Corporation in Cary, North Carolina.

#### 4.0 ANALYTICAL RESULTS

Nine surface soil samples were collected and analyzed for lead only. The results of the analytical testing are as follows:

Sample Identifier	Analytical Result (mg/kg)
SS-06	379
SS-07	261
SS-08	70.8
SS-09	310
SS-10	154
SS-11	166
SS-12	200
SS-13	233
SS-14	2,810

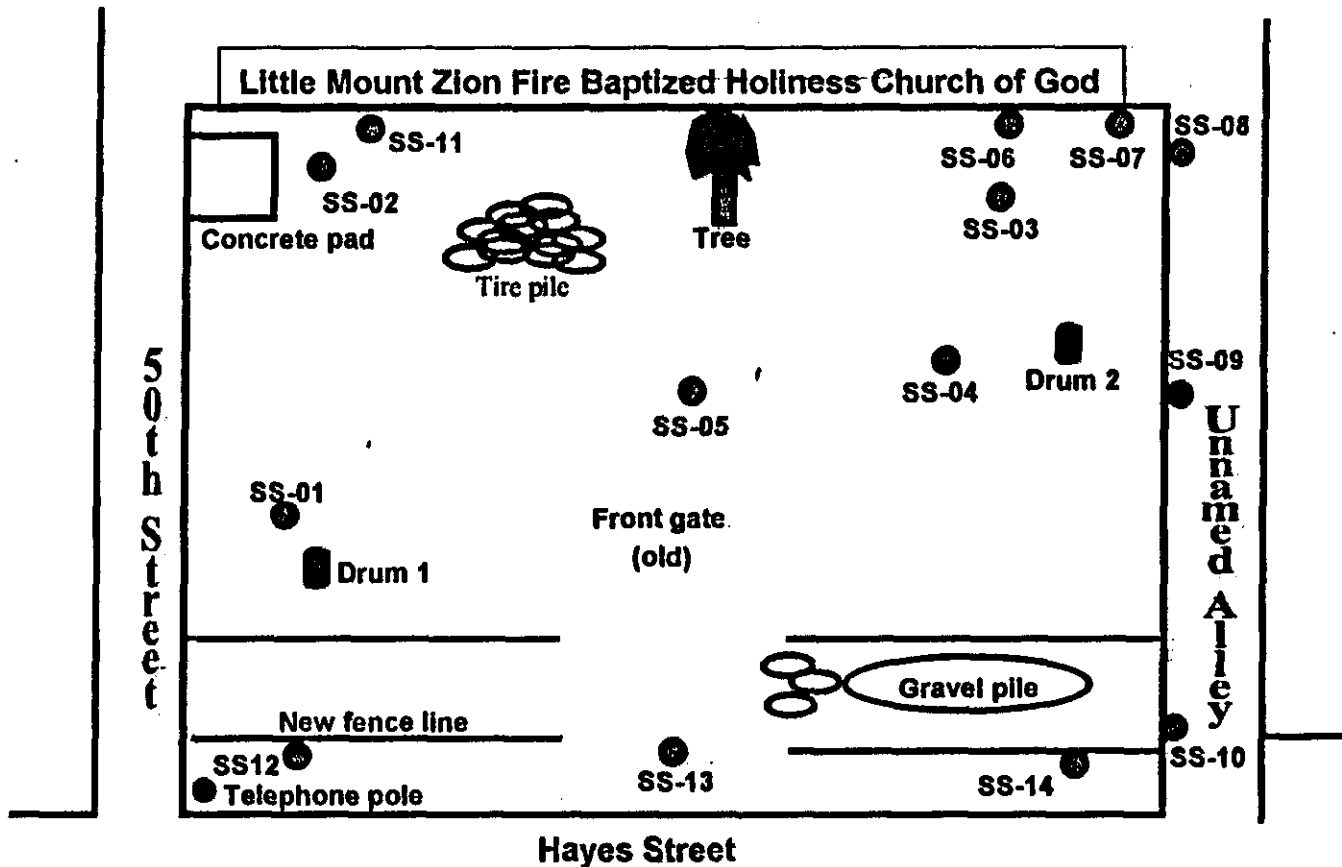
Because there are no guidances for lead within the Emergency Removal Guidelines (ERG), guidance can be found in an EPA memorandum, dated 14 July 1994, which recommends that a screening level of 400 parts per million (ppm) be used for lead in residential soil (EPA, 1994). Sample location SS-14 exceeds this recommendation with an analytical result of 2,810 ppm.

Five surface soil samples were collected for field hazcat testing. Samples SS-01, SS-03, and SS-04 did not exhibit ignitable or flammable characteristics. Samples SS-03 showed slight smoldering and a small brief flame was observed from sample SS-05.

#### 5.0 FUTURE ACTIONS/RECOMMENDATIONS

SATA recommends that further soil sampling be performed around sample location SS-14 to determine the extent of lead contamination at the site and possible lead migration to surrounding properties.

FIGURE 2  
SITE SKETCH



## 6.0 REFERENCES

Automap Streets Plus. 1997 Edition. Microsoft Corporation.

EPA. (U.S. Environmental Protection Agency). 1994. Memorandum. *Revised Interim Soil Lead Guidance for CERCLA Sites and RCRA Corrective Action Facilities*. Office of Solid Waste and Emergency Response, Washington, DC. 14 July.

EPA. 1998. *Regional Response Center Incident Notification Report*. Philadelphia, PA. 23 July.

EPA. 1999. EPA Region III Risk-Based Concentration Table. Philadelphia, PA. 15 April.

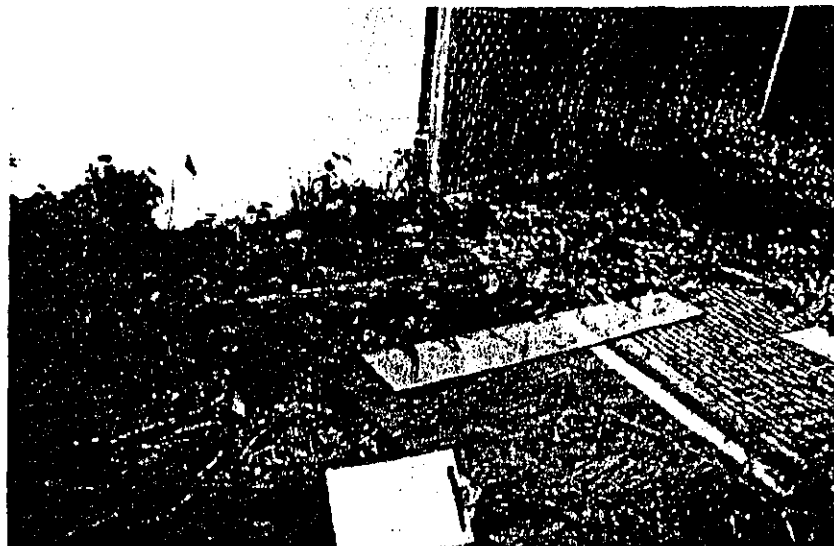
ATTACHMENTS: 1 - Photograph Log  
2 - Data Package

**ATTACHMENT 1**

**Photograph Log**

**AR100049**

**Photograph Log**  
**50th and Hayes Site**  
**Washington, District of Columbia**



Date Taken: October 1999  
Photographer: Region III SATA  
Description: Surface soil sample SS-03. Previous "hot spot" for

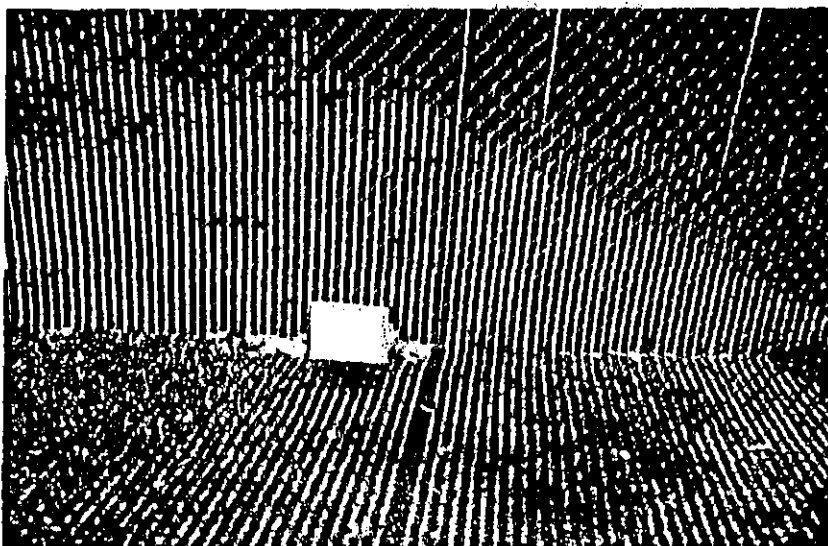


Date Taken: October 1999  
Photographer: Region III SATA  
Description: Surface soil sample SS-13. Located at the front gate  
to the

AR100050



**Photograph Log**  
**50th and Hayes Site**  
**Washington, District of Columbia**



Date Taken: October 1999  
Photographer: Region III SATA  
Description: Surface soil sample SS-14.



Date Taken: October 1999  
Photographer: Region III SATA  
Description: SATA performing hazcat testing on surface soils for ignitability.

AR100051

**ATTACHMENT 2**

**Data Package**

**AR100052**



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
ENVIRONMENTAL SCIENCE CENTER  
701 MAPES ROAD  
FORT MEADE, MD 20755-5350

DATE : November 18, 1999  
SUBJECT: Region III Data QA Review  
FROM : Fredrick Foreman  
Region III ESAT RPO (3ES20)  
TO : Colby Stanton  
Regional Project Manager (3HS31)

Attached is the inorganic data validation report for the 50th & Hayes site (Case #: R3724; SDG#: 00001) completed by the Region III Environmental Services Assistance Team (ESAT) contractor under the direction of Region III ESD.

If you have any questions regarding this review, please call me at (410) 305-2629.

Attachment

cc: Marian Murphy, Roy F. Weston, Delran, NJ  
WA #: 0399302 TDF: #1124

OFFICE OF ANALYTICAL SERVICES AND QUALITY ASSURANCE

## **Appendix A**

### **Glossary of Data Qualifier Codes**

**Appendix B**

**Data Summary Forms**

AR100055

## DATA SUMMARY FORM: INORGANIC

Page 1 of 1

Case #: R3724  
 Site : 50th & Hayes  
 Lab.: COMPU

SDG : 00001

Number of Soil Samples : 9  
 Number of Water Samples : 0

Sample Number :	R372401	R372402	R372403	R372404	R372405						
Sampling Location :	SS-06	SS-07	SS-08	SS-09	SS-10						
Matrix :	Soil	Soil	Soil	Soil	Soil						
Units :	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg						
Date Sampled :	10/21/1999	10/21/1999	10/21/1999	10/21/1999	10/21/1999						
Time Sampled :	12:45	13:30	13:10	13:15	13:20						
%Solids :	81.4	80.7	81.2	88.8	87.8						
Dilution Factor :	1.0	1.0	1.0	1.0	1.0						
ANALYTE	CRDL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
LEAD	0.6	379		281		70.8		310		154	

Sample Number :	R372406	R372407	R372408	R372409							
Sampling Location :	SS-11	SS-12	SS-13	SS-14							
Matrix :	Soil	Soil	Soil	Soil							
Units :	mg/kg	mg/kg	mg/kg	mg/kg							
Date Sampled :	10/21/1999	10/21/1999	10/21/1999	10/21/1999							
Time Sampled :	12:45	12:55	13:05	13:05							
%Solids :	78.6	86.9	93.2	86.0							
Dilution Factor :	1.0	1.0	1.0	1.0							
ANALYTE	CRDL	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
LEAD	0.6	166		200		233		2610			

CRDL = Contract Required Detection Limit

\*Action Level Exits

SEE NARRATIVE FOR CODE DEFINITIONS

Revised 09/99

AR100056

**Appendix C**  
**Laboratory Form IS**

AR100057







## EPA SAMPLE NO.

Contract: ILM04.0

Lab Code: COMPU

**Case No. : 34605**

**SAS No. :**

SDG No.: 00001

Lab Sample ID: 964100

Date Received: 10/22/99

**81.2**

Concentration Units (ug/L or mg/kg dry weight): MG/KG

[illegible]

Color Before: BROWN

Clarity Before: \_\_\_\_\_

**Texture: MEDIUM**

Color After: YELLOW

Clarity After: \_\_\_\_\_

Artifacts: \_\_\_\_\_

**Comments :**

Undecanted Dry Weights      Container: 1.37g    Wet: 6.36g    Dry: 5.42g



## EPA SAMPLE NO.

R 372405  
SS-10 *et al.*  
11/10/97



## EPA SAMPLE NO.

Contract: ILM04.0

SDG No.: 00001

Lab Sample ID: 964104

Date Received: 10/22/99

86.9

MG/KG

[illegible]

Clarity Before: \_\_\_\_\_

Texture: MEDIUM

Clarity After:

**Artifacts:**

**Comments:**

Undecanted Dry Weights \_\_\_\_\_ Container: 1.36g Wet: 6.46g Dry: 5.79g



## EPA SAMPLE NO.

Contract: ILM04.0

Lab Code: COMPU

**Case No. : 34605**

SAS No. :

SDG No.: 00001

Lab Sample ID: 964106

Date Received: 10/22/99

86.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

[illegible]

Color Before: BROWN

Clarity Before: \_\_\_\_\_

Texture: MEDIUM

Color After: YELLOW

Clarity After: \_\_\_\_\_

Artifacts: \_\_\_\_\_

**Comments:**

Undecanted Dry Weights \_\_\_\_\_ Container: 1.37g \_\_\_\_\_ Wet: 6.59g \_\_\_\_\_ Dry: 5.86g \_\_\_\_\_

FORM I - IN

ILM04.0

17

AR100066







Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

[illegible]

Preparation Blank Concentration Units (ug/L or mg/kg): \_\_\_\_\_

25

Contract: ILM04.0

Lab Code: COMPU Case No.: 34605

SAS No.: \_\_\_\_\_ SDG No.: 00001

Method: P\_

[illegible]

14  
ANALYSIS RUN LOG

Lab Name: COMPUCHEM\_\_\_\_\_

Contract: ILM04.0\_\_\_\_\_

Lab Code: COMPU\_\_\_\_\_ Case No.: 34605\_\_\_\_\_

SAS No.: \_\_\_\_\_ SDG No.: 00001\_\_\_\_\_

Instrument ID Number: ICP3\_\_\_\_\_

Method: P\_\_\_\_\_

Start Date: 10/28/99

End Date: 10/28/99

EPA Sample No.	D/F	Time	% R	Analytes															
				P B															
S0	1.00	1503		X															
S	1.00	1510		X															
S	1.00	1517																	
S	1.00	1522																	
S	1.00	1529																	
S	1.00	1534																	
ICV	1.00	1540																	
ICV	1.00	1548		X															
ICV	1.00	1555																	
ICB	1.00	1602		X															
LPS	1.00	1610																	
	1.00	1617		X															
ICSA	1.00	1624		X															
ICSAB	1.00	1632		X															
CCV	1.00	1639		X															
CCB	1.00	1646		X															
ZZZZZZ	1.00	1657																	
ZZZZZZ	1.00	1704																	
ZZZZZZ	1.00	1711																	
ZZZZZZ	1.00	1718																	
ZZZZZZ	1.00	1724																	
ZZZZZZ	1.00	1731																	
ZZZZZZ	1.00	1738																	
ZZZZZZ	1.00	1745																	
ZZZZZZ	5.00	1752																	
ZZZZZZ	1.00	1758																	
CCV	1.00	1805		X															
CCB	1.00	1812		X															
ZZZZZZ	1.00	1819																	
ZZZZZZ	1.00	1825																	
ZZZZZZ	1.00	1832																	
ZZZZZZ	1.00	1839																	

14  
ANALYSIS RUN LOG

Lab Name: COMPUCHEM\_\_\_\_\_

Contract: ILM04.0\_\_\_\_\_

Lab Code: COMPU\_ Case No.: 34605\_

SAS No.: \_\_\_\_\_ SDG No.: 00001\_

Instrument ID Number: ICP3\_\_\_\_\_

Method: P\_

Start Date: 10/28/99

End Date: 10/28/99

EPA Sample No.	D/F	Time	% R	Analytes																	
				P B																	
ZZZZZZ	1.00	1846																			
ZZZZZZ	1.00	1853																			
ZZZZZZ	5.00	1859																			
CRI	1.00	1906		X																	
ICSA	1.00	1913		X																	
ICSAB	1.00	1920		X																	
CCV	1.00	1926		X																	
CCB	1.00	1933		X																	
ZZZZZZ	1.00	1940																			
PBS	1.00	1947		X																	
CSS	1.00	1954		X																	
S-06	1.00	2000		X																	
SS-06S	1.00	2007		X																	
SS-06D	1.00	2014		X																	
SS-06L	5.00	2021		X																	
SS-06A	1.00	2027																			
SS-07	1.00	2034		X																	
SS-08	1.00	2041		X																	
CCV	1.00	2048		X																	
CCB	1.00	2055		X																	
SS-09	1.00	2101		X																	
SS-10	1.00	2108		X																	
SS-11	1.00	2115		X																	
SS-12	1.00	2122		X																	
SS-13	1.00	2128		X																	
SS-14	1.00	2135		X																	
ZZZZZZ	1.00	2142																			
CRI	1.00	2149		X																	
ICSA	1.00	2156		X																	
ICSAB	1.00	2202		X																	
CCV	1.00	2209		X																	
CCB	1.00	2216		X																	





**Appendix D**  
**Support Documentation**

**AR100075**

PROGRAM: SUPPL. (IND)	SAMPLER: <b>Melissa L. Coulkin</b>	COLUMN A MATRIX	COLUMN B PRESERVATION	COL. (S)	COLUMN TYPE
ACCOUNT No	SAMPLING ORGANIZATION: <b>ROY F. WESTON, INC. REGION III S&amp;A</b>	1. SURFACE WATER 2. GROUND WATER	1. HCL 2. HNO3	(B) BLANK (S) SPIKE	(G) GRX17 (C) CONTAMINANTS
ACTIVITY: <b>Removal Assessment</b>	DATE SHIPPED: <b>10/21/99</b>	CARRIER: <b>FEDEX</b>	3. NH4SO4 4. H2SO4	(D) DUPLICATE (R) RINSATE	REMARKS: <b>DO QNL6</b>
AIRTEL No: <b>8157 0895 5532</b>	SITE: <b>R3724</b>	5. SOIL/SEDIMENT 6. OIL (HIGH ONLY)	5. NaOH 6. K2Cr2O7	(PE) P. EVAL (-) NO QC	<b>MS/MS</b>
CITY: <b>Washington</b>	SHIP TO: <b>Comprehensive Environmental Corporation 501 Madison Avenue New York, NY 10022</b>	7. WASTE (HIGH ONLY) 8. OTHER:	7. ICE 8. NONE 9. OTHER:	(DP) DUP. PAIR SPECIFY:	<b>on 8/1/99</b>

SHIPMENT COMPLETE? (Y/N)	FINAL SHIP DATE TO LAB: <b>10/21/99</b>	TOTAL NUMBER OF SAMPLES SHIPPED: <b>9</b>	TOTAL NUMBER OF CONTAINERS SHIPPED: <b>1</b>
RECEIVED BY SIGNATURE: <i>[Signature]</i>	RECEIVED BY SIGNATURE:	DATE: <b>10/21/99</b>	

SAMPLE NUMBER	STATION NUMBER	STATION LOCATION	TAG NUMBER	COLLECTION DATE	TIME	PARAMETERS							COLUMNS		
						1	2	3	4	5	A	B			
R372401	SS-06	SS-06	3-3012157	10/21/99	1245	X					5	7			
R372402	SS-07	SS-07	3-3012158	10/21/99	1330	X					5	7			
R372403	SS-08	SS-08	3-3012159	10/21/99	1310	X					5	7			
R372404	SS-09	SS-09	3-3012160	10/21/99	1315	X					5	7			
R372405	SS-10	SS-10	3-3012161	10/21/99	1320	X					5	7			
R372406	SS-11	SS-11	3-3012162	10/21/99	1245	X					5	7			
R372407	SS-12	SS-12	3-3012163	10/21/99	1255	X					5	7			
R372408	SS-13	SS-13	3-3012164	10/21/99	1305	X					5	7			
R372409	SS-14	SS-14	3-3012165	10/21/99	1305	X					5	7			

PARAMETERS 1	<b>Lead</b>
PARAMETERS 2	
PARAMETERS 3	
PARAMETER 4	
PARAMETERS 5	

# U.S. EPA Region III Sample Scheduling Request Form

S CASE No:		DAS No: R3724		NSF No:	
Date: 10/14/99		Data Validation Level: M1, IM1		EPA Lab Reply: N/A	
Site Name: 50th & Hayes					
Address: 50th & Hayes			City: Washington		State: DC
Latitude:		Longitude:		Altitude:	
Program: Superfund		CERCLIS No: DCSFN0305431		Activity: Removal	
Account No: 00T03N50102DC332QB00		Operable Unit:		Spill ID: E0C32	
Preparer: Marian Murphy		RPM/PO:		Site Leader: Melissa Conklin	
Phone: 856-461-4002 Ext 243		Phone: 215-814-3299		Phone: 856-461-4003 Ext. 225	
FAX: 856-461-4916		FAX: 215-814-3254		FAX: 856-461-4916	
E-mail: reg3sata@uscom.com		E-mail: stanton.colby@epa.gov		E-mail: reg3sata@uscom.com	
EPA CO: Deborah Eble		Contract Type: SATA		Prime: Weston	Sub:
Lab Assignment Date:		TAT: 14 days		Shipping From: 21 October 1999	
Organic Lab:				Shipping To: 21 October 1999	
Inorganic Lab:				Carrier: Fed Ex.	

SAMPLES	METHOD	PARAMETER	MATRIX
	ILM04.0	Total Lead	Soil

NOTE: Data validation levels M3 & IM2 require justification. QC field samples must be included as part of total number of samples.

1. Special Instructions: OSC needs unvalidated results faxed to her at above number as soon as received at RSCC.
2. Objectives / Project Plan ID / Permit ID: To determine if further actions are needed at an ongoing emergency removal site. Data is needed in a rush to prevent work hold ups.
3. Program / Project / Permit Reporting Limits As per Method
4. DQO (QC Requirements) As per Method

AR100077

## COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: COMPUCHEM\_\_\_\_\_ Contract: ILM04.0\_\_\_\_\_  
Lab Code: COMPU\_ Case No.: 34605 SAS No.: \_\_\_\_\_ SDG No.: 00001\_  
SOW No.: ILM04.0

## EPA Sample No.

## Lab Sample ID

SS-06\_\_\_\_\_  
SS-06D\_\_\_\_\_  
SS-06S\_\_\_\_\_  
SS-07\_\_\_\_\_  
SS-08\_\_\_\_\_  
SS-09\_\_\_\_\_  
SS-10\_\_\_\_\_  
SS-11\_\_\_\_\_  
SS-12\_\_\_\_\_  
SS-13\_\_\_\_\_  
SS-14\_\_\_\_\_

964094\_\_\_\_\_  
964096\_\_\_\_\_  
964095\_\_\_\_\_  
964099\_\_\_\_\_  
964100\_\_\_\_\_  
964101\_\_\_\_\_  
964102\_\_\_\_\_  
964103\_\_\_\_\_  
964104\_\_\_\_\_  
964105\_\_\_\_\_  
964106\_\_\_\_\_

Were ICP interelement corrections applied ? Yes/No YES  
Were ICP background corrections applied ? Yes/No YES  
If yes - were raw data generated before  
application of background corrections ? Yes/No NO\_

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Thomas R. Cole

Name: Thomas R. Cole

Date: October 29, 1999

Title: Chemist II

### INORGANIC CASE SUMMARY NARRATIVE

DAS R3724 CASE # ~~34685~~ SDG # 00001  
E6AT(D.V.) 11/14/99 CONTRACT # ILM04.0

The indicated Sample Delivery Group (SDG) consisting of nine (9) soil samples was received into the laboratory information management system (LIMS) on October 22, 1999 intact and in good condition with Chain of Custody (COC) Records in order, unless otherwise noted in any attachments or Quality Assurance Notices. Sample ID's reported in this data package are noted by the receiving department on the COC if they differ from those listed by the samplers on the COC.

The samples were analyzed, in accordance with EPA CLP Statement of Work (SOW) document ILM04.0 for lead.

#### SAMPLE IDs:

Customer IDs and correlating laboratory IDs are listed on the cover page.

#### INSTRUMENTAL QUALITY CONTROL:

All calibration verification solutions (ICV & CCV), blanks (ICB, & CCB), and interference check samples (ICSA & ICSAB) associated with this data were confirmed to be within EPA CLP allowable limits.

#### SAMPLE PREPARATION QUALITY CONTROL:

The sample preparation procedure verifications (LCSS & PBS) were found to be within acceptable ranges and all field samples were prepared and analyzed within the contract specified holding times.

COMPUCHEM utilizes a soil Laboratory Control Sample (LCS) purchased from Environmental Resources Associates (ERA). With each lot of soil LCS material purchased, a certification document is included which provides Performance Acceptance Limits™ (PAL™). The limits are listed as guidelines for acceptable results and closely approximate the 95% confidence interval. As with any LCS, it is a QC measure used to demonstrate control and any results, which are outside the acceptance criteria, require corrective action up to and including redigesting and reanalyzing the entire sample preparation batch.

#### MATRIX RELATED QUALITY CONTROL:

The sample matrix spike, CCN = 964095 (SS-06S) was found to be inside CLP control limits for the requested analytes.

CLP control limits for matrix spike recoveries are set at 75% to 125% of the analyte quantity added unless original sample concentrations exceed the true values of these "spikes" by a factor of four or more. In this case, affected analytes are not flagged even if recoveries are outside percentage recovery control limits.

The sample matrix duplicate, CCN = 964096 (SS-06D) was inside CLP control limits for the requested analytes.

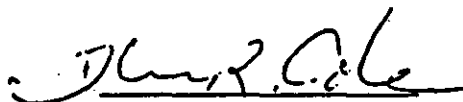
CLP control limits for duplicate determinations are +/- 20% Relative Percent Difference (RPD) for concentrations greater than or equal to five times the CRDL in both the original and duplicate samples, and +/- the CRDL for concentrations less than five times the CRDL. The RPD is not calculated if both the original and duplicate values fall below the IDL.

A five-fold serial dilution of sample, CCN = 964094 (SS-06L) was performed in accordance with CLP requirements for ICP analysis.

The adjusted sample concentrations were inside CLP control limits for the requested analytes.

This SDG package was processed using the Ward Scientific software. This software package has a seven character limitation on the Forms 13 and 14 -- any sample ID's which exceed seven characters are truncated from left to right on these forms.

The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.



Thomas R. Cole  
Chemist II  
October 29, 1999

All data for Case R3724, SDG 00001, were reviewed in accordance with the Innovative Approaches for Validation of Inorganic Data, June 1995, in conjunction with the Region III Modifications to the Inorganic National Functional Guidelines.

**ATTACHMENTS**

APPENDIX A Glossary of Data Qualifier Codes

APPENDIX B Data Summary Forms

APPENDIX C Laboratory Form Is

APPENDIX D Support Documentation

DCN: R3724.rpt

AR100081

**DATE:** November 12, 1999

**SUBJECT:** Level IMI Inorganic Data Validation  
DAS: R3724, SDG: 00001  
Site: 50th & Hayes

**FROM:** Linda Hoffman  
Senior Data Reviewer

**Thru:** Mahboobeh Mecanic  
Senior Oversight Chemist

**TO:** Fredrick Foreman  
ESAT Regional Project Officer

#### OVERVIEW

DAS R3724, Sample Delivery Group (SDG) 00001, consisted of nine (9) soil samples analyzed for total lead by Compuchem (COMPU). No field Quality Control (QC) samples were included in the sample set. Samples were analyzed according to Contract Laboratory Program (CLP) Statement of Work (SOW) ILM04.0 through Delivery of Analytical Services (DAS) program:

Sample R372409 (Station Location SS-14) exceeded the lead Ten Day Chemical Health Advisory Limit of 500 mg/kg. The lead concentration in this sample was 2810 mg/kg. The Regional Project Manager (RPM) was notified by facsimile.

#### SUMMARY

Validation was performed according to EPA Innovative Approaches for Inorganic Data Validation, Level IM1, which includes review of all Quality Assurance/Quality Control (QA/QC) measurements and excludes review of the raw data.

No Major or Minor Problems were noted during review of data for this DAS.

#### NOTES

Station Location instead of EPA sample numbers were used to report data on all Forms by the laboratory. Station Locations were corrected to EPA sample numbers on Form Is by the reviewer.

AR100082